

REMARKS

The above amendments are made to place the claims in a more traditional format.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page(s) is captioned "**Version With Markings To Show Changes Made.**"

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

3. (Amended) A photonic crystal fibre, as claimed in claim 1 [or claim 2], in which the substantially periodic cladding material has a triangular lattice structure.

5. (Amended) A photonic crystal fibre, as claimed in [any preceding claim] claim 1, in which the regions of higher refractive index consist essentially of silica.

6. (Amended) A photonic crystal fibre, as claimed in [any preceding claim] claim 1, in which the fraction of air in the cladding is at least 15% by volume based on the volume of the cladding.

8. (Amended) A photonic crystal fibre, as claimed in [any preceding claim] claim 1 in which the region of lower refractive index is a low pressure region.

10. (Amended) A photonic crystal fibre, as claimed in [any preceding claim] claim 1, in which the lower index region comprises a material having a non-linear optical response, whereby light may be generated by non-linear processes in the lower-index region.

12. (Amended) An optical device, including photonic crystal fibre according to [any preceding claim] claim 1.

17. (Amended) A telecommunications system, including a photonic crystal fibre according to [any of claims 1 to 11] claim 1.

18. (Amended) A telecommunications system, including an optical device according to [any of claims 12 to 16] claim 12.

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19. (Amended) A telecommunications network including a telecommunications system according to [any of claims 17 to 18] claim 17.
22. (Amended) A method, as claimed in claim 20 [or 21], in which the cavity has a transverse dimension greater than the corresponding transverse dimension of any of the canes.
24. (Amended) A method, as claimed in [any of claims 20 to 23] claim 20, in which the stack of canes comprises canes which are capillaries.
26. (Amended) A method, as claimed in claim 24 [or claim 25], in which the capillaries are filled with a material other than air.
27. (Amended) A photonic crystal fibre made by a method as claimed in [any of claims 20 to 26] claim 20.

30[A]. (Amended) A method of transmitting light along a photonic crystal fibre, the fibre being a fibre as claimed in [any of claims 1 to 12] claim 1.

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